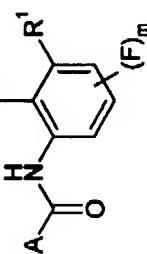


<p>2002-134670/18</p> <p>C03 SUMITOMO CHEM CO LTD 2000.04.20 2000-1119399(+2000)JP-1119399) (2001.10.31) C07C 23/164, A01N 37/22, 43/08, 43/10, 43/16, 43/18, 43/32, C07D 23/1/4, 27/32, 263/34, 335/02, 333/38, 327/06, 309/28, 307/68, 213/82, A01N 43/40, 43/56, 43/76, 43/78, 55/00</p> <p>New biphenyl compounds, useful as agricultural and horticultural bactericidal agents</p> <p>C2002-041978</p>	<p>SUMO 2000.04.20</p> <p>*JP 2001302605-A</p> <p>C(6-A2, 6-A3, 7-H1, 14-A1) .4</p>
<p>NOVELTY</p> <p>Biphenyl compounds (I) are new.</p> <p>DETAILED DESCRIPTION</p> <p>Biphenyl compounds of formula (I) are new.</p>	 <p>(I)</p> <p>$R^1 = 1-10C$ alkyl, 1-10C haloalkyl, 2-10C alkenyl, 2-10C alkynyl, 3-10C cycloalkyl, 5-10C cycloalkenyl, 1-10C alkoxy, 1-10C haloalkoxy, 1-10C alkylthio, 1-10C haloalkylthio or Cl;</p> <p>$n = 0-3$;</p> <p>$m = 0-5$;</p> <p>$R^3 =$ halo, 1-10C alkyl, 1-10C haloalkyl, 1-10C alkoxyalkyl, 1-10C alkoxy, 1-10C haloalkoxy, 1-10C alkylthio, 1-10C haloalkylthio,</p> <p>2-10C alkenyl, 2-10C alkynyl, 3-10C cycloalkyl, 5-10C cycloalkenyl, 1-10C alkoxyalkenyl, 1-10C cycloalkoxy, 1-10C alkylthio, 1-10C haloalkylthio or Cl;</p> <p>JP 2001302605-A+</p>

<p>$2R^3 = 3\text{-}5C$ alkylene, $3\text{-}5C$ haloalkylene, $2\text{-}4C$ alkyleneoxy, $2\text{-}4C$ haloalkyleneoxy, $1\text{-}3C$ alkyleneoxy, or $1\text{-}3C$ haloalkylenedioxy;</p> <p>$A =$ a group of formula (i)-(xii);</p> <p>$R^4 =$ halo, $1\text{-}4C$ alkyl, $1\text{-}4C$ haloalkyl or cyano;</p> <p>$R^5 = H, 1\text{-}4C$ alkyl or $1\text{-}4C$ haloalkyl;</p> <p>$R^6 = H, \text{halo}, 1\text{-}4C$ alkyl, $1\text{-}4C$ haloalkyl, amino or cyano;</p> <p>$R^7 = H, 1\text{-}4C$ alkyl or $1\text{-}4C$ haloalkyl; and</p> <p>$X = S, SO_2, SO_2,$ or $CH_2.$</p>	<p>None given.</p>	<p>USE Biphenyl compounds (I) are useful as agricultural horticultural bactericides.</p> <p>ADVANTAGE The novel biphenyl compound has high plant disease controlling activities. (32pp055DwgNo.0/0)</p> <p>ACTIVITY Antibacterial; Plant protectant.</p> <p>MECHANISM OF ACTION</p>
		<p>JP 2001302605-A</p>

BIPHENYL COMPOUND AND ITS USE**Publication number:** JP2001302605**Publication date:** 2001-10-31**Inventor:** SAKAGUCHI YASUSHI**Applicant:** SUMITOMO CHEMICAL CO**Classification:**

- international: C07D327/06; A01N37/22; A01N43/08; A01N43/10;
A01N43/16; A01N43/18; A01N43/32; A01N43/40;
A01N43/56; A01N43/76; A01N43/78; A01N55/00;
C07C233/64; C07D213/82; C07D231/14; C07D263/34;
C07D277/20; C07D277/32; C07D307/68; C07D309/28;
C07D333/38; C07D335/02; A01N37/22; C07D213/82;
C07D327/00; A01N37/22; A01N43/02; A01N43/34;
A01N43/48; A01N43/72; A01N55/00; C07C233/00;
C07D213/00; C07D231/00; C07D263/00; C07D277/00;
C07D307/00; C07D309/00; C07D333/00; C07D335/00;
A01N37/22; C07D213/00; (IPC1-7): C07C233/64;
A01N37/22; A01N43/08; A01N43/10; A01N43/16;
A01N43/18; A01N43/32; A01N43/40; A01N43/56;
A01N43/76; A01N43/78; A01N55/00; C07D213/82;
C07D231/14; C07D263/34; C07D277/32; C07D307/68;
C07D309/28; C07D327/06; C07D333/38; C07D335/02

- european:

Application number: JP20000119399 20000420**Priority number(s):** JP20000119399 20000420[Report a data error here](#)**Abstract of JP2001302605****PROBLEM TO BE SOLVED:** To obtain a compound having an excellent plant pest control effect.**SOLUTION:** This biphenyl compound is expressed by general formula [wherein R1 expresses a 1-10C alkyl, a-10C haloalkyl; n expresses 0-3 integer; R2 expresses fluorine; m expresses 0-5 integer; R3 is the same or different and expresses a halogen, a 1-10C alkyl; A expresses a group expressed by the following A1 wherein R4 expresses a halogen or the like)].

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